JEA

Kennedy Generating Station

Facility ID No. 0310047
Duval County

Title V Air Operation Permit Renewal

Permit No. 0310047-021-AV
(Renewal of Title V Air Operation Permit No. 0310047-016-AV)

Permitting Authority:

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Department of Environmental Protection
Division of Air Resource Management
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Title V Air Operation Permit Renewal

Permit No. 0310047-021-AV

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Permit No. 0310047-021-AV
Kennedy Generating Station
Facility ID No. 0310047
Title V Air Operation Permit Renewal

The purpose of this permit is to renew the Title V air operation permit for the above referenced facility. The existing Kennedy Generating Station is located at 4215 Talleyrand Avenue, Jacksonville, in Duval County. UTM Coordinates are: Zone 17, 440.065 km East and 3359.150 km North. Latitude is: 30° 21' 52" North; and, Longitude is: 81° 37' 25" West..

The Title V air operation permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210, 62-213 and 62-214. The above named permittee is hereby authorized to operate the facility in accordance with the terms and conditions of this permit.

0310047-021-AV Effective Date: January 1, 2013
Renewal Application Due Date: May 20, 2017
Expiration Date: December 31, 2017

for Jeffery F. Koerner, Program Administrator
Office of Permitting and Compliance
Division of Air Resource Management

JFK/sa/tbc

Subsection A. Facility Description.

This facility consists of two combustion turbines (CT Nos. 7 and 8) and a fuel oil storage tank farm. Both of the combustion turbines fire distillate oil and natural gas. For CT Nos. 7 and 8, there are specific nitrogen oxides (NO_X) emissions limiting standards, a water injection system is used to reduce NO_X emissions when firing distillate oil, and NO_X emissions are greater than 100 tons per year. However, a CAM plan is not required because compliance with the NO_X standards is continuously demonstrated by data collected with the continuous emissions monitoring system (CEMS).

Subsection B. Summary of Emissions Units.

EU No.	Brief Description
Regulated Emissions Units	
015	CT No. 7 – 170 MW General Electric PG7241 FA combustion turbine-electrical generator.
016	CT No. 8 – 172 MW General Electric PG7241 FA combustion turbine-electrical generator.

Also included in this permit are miscellaneous insignificant emissions units and/or activities (see Appendix I – List of Insignificant Emissions Units and/or Activities).

Subsection C. Applicable Regulations.

Based on the Title V air operation permit renewal application received May 21, 2012, this facility is not a major source of hazardous air pollutants (HAP). The existing facility is a prevention of significant deterioration (PSD) major source of air pollutants in accordance with Rule 62-212.400, F.A.C. A summary of applicable regulations is shown in the following table.

Regulation	EU No(s).
Federal Rule Citations	
40 CFR 60, Subpart A, NSPS General Provisions	015, 016
NSPS - 40 CFR 60, Subpart GG, Standards of Performance for Stationary Combustion Turbines, adopted and incorporated by reference in Rule 62-204.800, F.A.C.	015
NSPS - 40 CFR 60, Subpart KKKK, Standards of Performance for Stationary Combustion Turbines, adopted and incorporated by reference in Rule 62-204.800, F.A.C.	016
40 CFR 75 Acid Rain Monitoring Provisions	015, 016
State Rule Citations	
Rule 62-4, Florida Administrative Code (F.A.C.) (Permitting Requirements)	015, 016
Rule 62-204, F.A.C. (Ambient Air Quality Requirements, PSD Increments, and Federal Regulations Adopted by Reference)	015, 016
Rule 62-210, F.A.C. (Permits Required, Public Notice, Reports, Stack Height Policy, Circumvention, Excess Emissions, and Forms)	015, 016
Rule 62-212, F.A.C. (Preconstruction Review, PSD Review and Best Available Control Technology (BACT))	015, 016
Rule 62-213, F.A.C. (Title V Air Operation Permits for Major Sources of Air Pollution)	015, 016
Rule 62-214, F.A.C. (Requirements For Sources Subject To The Federal	015, 016

Regulation	EU No(s).
Acid Rain Program)	
Rule 62-296.470, F.A.C. (Clean Air Interstate Rule) (CAIR)	015, 016
Rule 62-296, F.A.C. (Emission Limiting Standards)	015, 016
Rule 62-297, F.A.C. (Test Methods and Procedures, Continuous Monitoring Specifications, and Alternate Sampling Procedures)	015, 016
Permit No. 0310047-002-AC; 0310047-013-AC	015
Permit Nos. 0310047-015-AC; 0310047-018-AC; 0310047-019-AC	016

The following conditions apply facility-wide to all emission units and activities:

FW1. Appendices. The permittee shall comply with all documents identified in Section VI, Appendices, listed in the Table of Contents. Each document is an enforceable part of this permit unless otherwise indicated. [Rule 62-213.440, F.A.C.]

Emissions and Controls

FW2. Not federally Enforceable. Objectionable Odor Prohibited. No person shall cause, suffer, allow or permit the discharge of air pollutants, which cause or contribute to an objectionable odor. An "objectionable odor" means any odor present in the outdoor atmosphere which by itself or in combination with other odors, is or may be harmful or injurious to human health or welfare, which unreasonably interferes with the comfortable use and enjoyment of life or property, or which creates a nuisance. [Rule 62-296.320(2) and 62-210.200(Definitions), F.A.C.]

FW3. General Volatile Organic Compounds (VOC) Emissions or Organic Solvents (OS) Emissions. The permittee shall allow no person to store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds or organic solvents without applying known and existing vapor emission control devices or systems deemed-necessary and ordered by the Department. [Rule 62-296.320(1), F.A.C.]

{Permitting Note: Nothing is deemed necessary and ordered at this time.}

FW4. General Visible Emissions. No person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity equal to or greater than 20% opacity. This regulation does not impose a specific testing requirement. [Rule 62-296.320(4)(b), F.A.C.]

FW5. Unconfined Particulate Matter. No person shall cause, let, permit, suffer or allow the emissions of unconfined particulate matter from any activity, including vehicular movement; transportation of materials; construction; alteration; demolition or wrecking; or industrially related activities such as loading, unloading, storing or handling; without taking reasonable precautions to prevent such emissions. Reasonable precautions to prevent emissions of unconfined particulate matter at this facility include:

a. Paving and maintenance of roads, parking areas and yards.
b. Application of water or chemicals to control emissions from such activities as demolition of buildings, grading roads, construction, and land clearing.
c. Application of asphalt, water, oil, chemicals or other dust suppressants to unpaved roads, yards, open stock piles, and similar activities.
d. Removal of particulate matter from roads and other paved areas under control of the owner or operator of the facility to prevent re-entrainment, and from buildings or work areas to prevent particulate matter to become airborne.
e. Landscaping or planting of vegetation.
f. Use of hoods, fans, filters, and similar equipment to contain, capture, and/or vent particulate matter.
g. Confining abrasive blasting where possible.
h. Enclosure or covering of conveyor systems.
i. Posting and enforcing a speed vehicle for vehicles travelling on roadways on site.

[Rule 62-296.320(4)(c), F.A.C.; and, committed to by applicant in Title V air operation permit renewal application received May 21, 2012.]

Annual Reports and Fees

See Appendix RR, Facility-wide Reporting Requirements for additional details.

FW6. Annual Operating Report. The permittee shall submit an annual report that summarizes the actual operating rates and emissions from this facility. Annual operating reports shall be submitted to the Compliance Authority by April 1st of each year. [Rule 62-210.370(3), F.A.C.]

FW7. Annual Emissions Fee Form and Fee. The annual Title V emissions fees are due (postmarked) by March 1st of each year. The completed form and calculated fee shall be submitted to: Major Air Pollution Source Annual Emissions Fee, P.O. Box 3070, Tallahassee, Florida 32315-3070. The forms are available for download by accessing the Title V Annual Emissions Fee On-line Information Center at the following Internet web site: http://www.dep.state.fl.us/air/emission/tvfee.htm. [Rule 62-213.205, F.A.C.]

FW8. Annual Statement of Compliance. The permittee shall submit an annual statement of compliance to the compliance authority at the address shown on the cover of this permit within 60 days after the end of each calendar year during which the Title V permit was effective. [Rules 62-213.440(3)(a)2. & 3. and (b), F.A.C.]

FW9. Prevention of Accidental Releases (Section 112(r) of CAA). If, and when, the facility becomes subject to 112(r), the permittee shall:

a. Submit its Risk Management Plan (RMP) to EPA via RMP*eSubmit or as otherwise directed by EPA as of the date of submission per 40 CFR 68.150. Facilities submitting Confidential Business Information (CBI) and Trade Secrets cannot use RMP*eSubmit at this time. Such facilities should contact the RMP Reporting Center for submission options. The RMP Reporting Center address and phone number are: Post Office Box 10162, Fairfax, VA 22038, Telephone: (703) 227-7650.

b. Submit to the permitting authority Title V certification forms or a compliance schedule in accordance with Rule 62-213.440(2), F.A.C.

[40 CFR 68]

FW10. Not federally enforceable. Local Program Regulations. The facility is subject to the JOC, Title X, Chapter 360 [Environmental Regulation], Chapter 362, Part 1 [Air and Water Pollution], Chapter 376 [Odor Control], and City of Jacksonville Environmental Protection Board (JEPB) Rule 1 [Final Rules with Respect to Organization, Procedures, and Practice]. Appendix JEPB provides the applicable rules of the JEPB contained in Rule 2, Air Pollution Control, and the corresponding rules of the Department that have been adopted by reference and within the SOA (Specific Operating Agreement) signed with the Department.

FW11. Not federally enforceable. Odor Nuisance. Pursuant to Jacksonville Ordinance Code (JOC) Chapter 376, any facility that causes or contributes to the emission of objectionable odors, which results in the City of Jacksonville's Environmental Resource Management Department - Environmental Quality Division (EQD) receiving and validating complaints from five (5) or more different households within a 90 day period, can be cited for objectionable odors. [JOC Chapter 376]

The specific conditions in this section apply to the following emissions unit:

EU No.	Brief Description
015	CT No. 7 – 170 MW General Electric PG7241 FA combustion turbine-electrical generator.

Emissions unit 015 is a combustion turbine (CT) manufactured by General Electric (Model PG 7241 FA) and is designated as CT No. 7. The unit began commercial operation on April 30, 2000. It is a simple cycle unit consisting of a nominal 170 MW (at 59°F) CT-electrical generator set equipped with Dry Low NO_X (DLN-2.6) combustors. The maximum heat input from firing natural gas is 1623 MMBtu/hour based on a compressor inlet temperature 59°F, 60% relative humidity, and the LHV of gas. The maximum heat input from firing distillate oil is 1822 MMBtu based on a compressor inlet temperature of 59°F, 60% relative humidity, and the lower heating value (LHV) of oil. CT No. 7 is a peaking unit used during peak demand times and emergencies. Exhaust gas exits a stack that is 24 feet in diameter and 90 feet tall.

This emissions unit is regulated under 40 CFR 60, Subpart GG, Standards of Performance for Stationary Gas Turbines, adopted by reference in Rule 62-204.800, F.A.C.; and 40 CFR 60, Subpart A, adopted by reference in Rule 62-204.800, F.A.C.

Essential Potential to Emit (PTE) Parameters

A.1. Permitted Capacity. The maximum allowable heat input rate is as follows:

EU No.	MMBtu/hour	Fuel Type
015	1,623	Natural Gas
015	1,822	Distillate Oil

The maximum heat input rate will vary depending upon the CT inlet conditions and the CT characteristics. Manufacturer's curves corrected for site conditions or equations for correction to other ambient conditions shall be provided to the Department and/or the EQD office(s) upon request. [Rules 62-4.160(2), 62-204.800, and 62-210.200(PTE), F.A.C.; and, Permit No. 0310047-002-AC]

A.2. Emissions Unit Operating Rate Limitation After Testing. See the related testing provisions in Appendix TR, Facility-wide Testing Requirements. Also see Specific Condition **A.3.**, below. [Rule 62-297.310(2), F.A.C.]

A.3. Operating Rate During Testing. Compliance testing shall be conducted with CT No. 7 operating at permitted capacity. Permitted capacity is defined as 90-100 percent of the manufacturer's rated heat input achievable for the average compressor inlet conditions during the test. If it is impracticable to test at permitted capacity, then the CT may be tested at less than permitted capacity. In such cases, the entire curve or table shall be adjusted downwards by the increment which reflects the reduced rate of operation at which compliance was demonstrated. This increment is equal to the difference between the manufacturer's heat input or fuel usage value and 110 percent of the value reached during the test. In this case, the data and calculations necessary to demonstrate the heat input or fuel usage rate correction shall be submitted to the Department with the compliance test report. Once the unit is so limited, operation at higher capacities is allowed for no more than 15 consecutive days for the purpose of additional compliance testing to regain the authority to operate at the permitted capacity. Test procedures shall meet all applicable requirements (i.e., testing time frequency, minimum compliance duration, etc.) of Rule 62-204.800, F.A.C. {Permitting Note: The GE Heat Input Curves provided by the manufacturer are the nominal values to be used to aid in defining "full load" for stack testing purposes and do not constitute a limit on heat input.} [Rule 62-297.310(2), F.A.C. and 0310047-007-AC]

A.4. Methods of Operation.

a. *Fuels.* The fuels that are allowed to be burned in this unit/these units are:
   (1) Natural gas,

(2) No. 2 fuel oil, or better.
[Rule 62-213.410, F.A.C.; and, Permit No. 0310047-002-AC.]

A.5. Hours of Operation. The maximum allowable hours of operation in any 12-month period (MAXHROP) for CT No. 7 are 4,050 hours on natural gas and 1,260 hours on distillate oil or the hours calculated pursuant to the following formula:

MAXHROP = 4050 – (3.215 x ACTHROPFO)

Where: ACTHROPFO = actual hours of operation on fuel oil.

[Rules 62-4.160(2) & 62-210.200(PTE), F.A.C.; and, Permit No. 0310047-002-AC]

Control Technology

A.6. DLN Combustion. DLN combustors shall be installed and operated on CT No. 7 to control NO_X emissions when firing natural gas. The DLN combustion system shall be tuned to optimize emissions reductions and shall be maintained to minimize NO_X emissions and carbon monoxide (CO) emissions. [Permit No. 0310047-002-AC]

A.7. Water Injection System, Oil Firing. A water injection system shall be operated to control NO_X emissions when firing distillate oil. [Permit No. 0310047-002-AC]

Emission Limitations and Standards

Unless otherwise specified, the averaging times for Specific Conditions **A8. - A.14.** are based on the specified averaging time of the applicable test method.

A.8. VE and Particulate Matter (PM) Emissions. VE shall not exceed 10 percent opacity when firing natural gas or distillate oil. [Permit No. 0310047-002-AC and Application No. 0310047-021-AV supplement dated 8/10/2012]

{Permitting Note: Permit No. 0310047-002-AC specified a PM emissions limit of 17 lbs/hour (non-condensable only) when firing distillate oil. As allowed by that permit, the permittee has elected to comply with the optional opacity limit of 10 percent when firing oil in lieu of the PM emissions limit and testing requirement.}

A.9. Sulfur Content, Distillate Oil. The sulfur content of distillate oil shall not exceed 0.05 percent, by weight. [Permit No. 0310047-002-AC]

A.10. NO_X Emissions, Natural Gas. While burning natural gas, the concentration of NO_X in the exhaust gas shall not exceed 15 ppmvd at 15% oxygen (O_2) based on 24-hour block average as measured by the CEMS maintained in accordance with 40 CFR 75. In addition, NO_X emissions calculated as NO_2 shall exceed neither 15 ppmvd at 15% O_2 nor 99 lbs/hour to be demonstrated by stack test. Total annual NO_X emissions shall not exceed 200 tons on a 12-month rolling total basis from firing any combination of permitted fuels. [Rule 62-212.400(12)(b), F.A.C.; 40 CFR 75; and, Permit Nos. 0310047-002-AC & 0310047-013-AC]

A.11. NO_X Emissions, Distillate Oil. While burning distillate oil, the concentration of NO_X in the exhaust gas shall not exceed 42 ppmvd at 15% O_2 based on a 24-hour block average as measured by the CEMS maintained in accordance with 40 CFR 75. In addition, NO_X emissions calculated as NO_2 shall exceed neither 42 ppmvd at 15% O_2 nor 318 lbs/hour to be demonstrated by stack test. Total annual NO_X emissions shall not exceed 200 tons on a 12-month rolling total basis from firing any combination of permitted fuels. [Rule 62-212.400(12)(b), F.A.C.; 40 CFR; and, Permit Nos. 750310047-002-AC & 0310047-013-AC;]

A.12. CO Emissions. The concentration of CO in the exhaust gas shall not exceed 15 ppmvd (natural gas) and 20 ppmvd (fuel oil) as measured by EPA Method 10. CO emissions shall not exceed 48 lbs/hour (natural gas)

and 97 lbs/hour (fuel oil) to be demonstrated by stack test. [Permit Nos. 0310047-002-AC & 0310047-013-AC]

A.13. Volatile Organic Compounds (VOC) Emissions. The concentration of VOC in the exhaust gas shall not exceed 1.4 ppmvd (natural gas) and 3.5 ppmvd (distillate oil) as determined by EPA Methods 18, 25 or 25A. VOC emissions shall not exceed 2.9 lbs/hour (natural gas) and 19 lbs/hour (distillate oil). [Permit Nos. 0310047-002-AC & 0310047-013-AC]

A.14. Sulfur Dioxide (SO_2) Emissions. SO_2 emissions shall not exceed 9.7 lbs/hour when firing pipeline natural gas and 98 lbs/hour when firing distillate oil. Emissions of SO_2 shall not exceed 62 tons per year. Compliance with these limits shall be demonstrated by complying with the fuel sulfur monitoring and fuel consumption monitoring requirements of this subsection. [Rule 62-212.400(12)(b), F.A.C. and Permit Nos. 0310047-002-AC & 0310047-013-AC]

Excess Emissions

Rule 62-210.700 (Excess Emissions), F.A.C. cannot vary any requirement of an NSPS, NESHAP or Acid Rain program provision.

A.15. Excess Emissions Allowed. Excess emissions resulting from startup, shutdown or malfunction of any emissions unit shall be permitted provided that best operational practices to minimize emissions are adhered to and the duration of excess emissions shall be minimized but in no case exceed two hours in any 24 hour period unless specifically authorized by the Department for longer duration. [Rule 62-210.700(1), F.A.C.]

A.16. Excess Emissions Prohibited. Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown or malfunction shall be prohibited. [Rule 62-210.700(4), F.A.C.]

Monitoring of Operations

A.17. Natural Gas Monitoring Schedule. The following custom monitoring schedule for natural gas is approved in lieu of the daily sampling requirements of 40 CFR 60.334(h)(1):

a. The permittee is committed to using a primary fuel of pipeline supplied natural gas (sulfur content less than 20 gr/100 scf pursuant to 40 CFR 75.11(d)(2)).
b. This unit shall be monitored for SO_2 emissions using methods consistent with the requirements of 40 CFR 75.11 and certified by the EPA.. This custom fuel monitoring schedule will only be valid when pipeline natural gas is used as a primary fuel. If the primary fuel for this unit is changed to a higher sulfur fuel, SO_2 emissions must be accounted for as required pursuant to 40 CFR 75.11(d).

[40 CFR 60 & 40 CFR 75; and, Permit No. 0310047-002-AC;]

A.18. Fuel Oil Monitoring Schedule.

a. For the purposes of demonstrating compliance with the SO_2 standard specified in this permit, the SO_2 standard in 40 CFR 60.333 and the limits on fuel sulfur content, the following sampling and analytical methods shall be used: ASTM D2880-71, 78 or 96, or D4294-98 (or equivalent) for the sulfur content of liquid fuels; and D1072-80 or 90 (Reapproved 1994), D3031-81, D4084-82 or D3246-81 or 94, or D3246-81, 92 or 96 (or equivalent) for the sulfur content of gaseous fuel. The owner or operator is responsible for ensuring that the procedures above are used for determination of fuel sulfur content.
b. Analysis may be performed by the owner or operator, a service contractor retained by the owner or operator, the fuel vendor, or any other qualified agency pursuant to 40 CFR 60.335(b)(11). For each shipment, the permittee shall retain records of the fuel sulfur analysis.

[40 CFR 60.335(b)(11); and, Permit Nos. 0310047-002-AC & 0310047-013-AC]

Continuous Monitoring Requirements

A.19. Continuous Compliance with the NO_X Emission Limits. Continuous compliance with the NO_X emission limits shall be demonstrated with the CEMS based on the applicable averaging time of 24-hr block average. Based on CEMS data, a separate compliance determination is conducted at the end of each operating day and a new average emission rate is calculated from the arithmetic average of all valid hourly emission rates from the previous operating day. At JEA's election, valid hourly emission rates shall not include periods of start up, shutdown, or malfunction unless prohibited by Rule 62-210.700, F.A.C. A valid hourly emission rate shall be calculated for each hour in which at least two NO_X concentrations are obtained at least 15 minutes apart. [40 CFR 60.334 and 40 CFR 75; and Permit No. 0310047-002-AC]

A.20. NO_X and O_2 CEMS. The permittee shall calibrate, maintain, and operate a CEMS in the stack to measure and record the NO_X emissions and the O_2 content from this unit. Periods when NO_X emissions (ppmvd at 15% oxygen) are above the standards listed in this permit, taking into account the applicable averaging periods, shall be provided to the Department's Bureau of Air Monitoring and the EQD pursuant to 40 CFR 75 and 40 CFR 60 Subpart GG. [40 CFR 75 and Permit No. 0310047-002-AC]

A.21. NO_X CEMS in Lieu of Water-to-Fuel Ratio. The NO_X CEMS shall be used in lieu of the water-to-fuel ratio monitoring system for reporting excess emissions in accordance with 40 CFR 60.334(b), Subpart GG. The calibration of the water-to-fuel ratio monitoring device required in 40 CFR 60.334(b) will be replaced by the 40 CFR 75 certification tests of the NO_X CEMS. Upon request from the Department and/or the EQD, the CEMS emission rates for NO_X shall be corrected to International Organization for Standardization (ISO) conditions to demonstrate compliance with the NO_X standard in 40 CFR 60.332. [40 CFR 60 & 40 CFR 75; and, Permit No. 0310047-002-AC]

A.22. CEMS Requirements. The NO_X and O_2 CEMS shall comply with the certification and quality assurance, and any other applicable requirements of Rule 62-297.520, F.A.C., 40 CFR 60.13, including certification of each device in accordance with 40 CFR 60, Appendix B, Performance Specifications, and 40 CFR 60.7(a)(5) or 40 CFR 75. Quality assurance procedures must conform to all applicable sections of 40 CFR 60, Appendix F, or 40 CFR 75. Data on CEMS equipment specifications, manufacturer, type, calibration and maintenance needs shall be kept on file for future reference and use. As required by 40 CFR 60.334, for purposes of identifying excess emissions, the missing data methodology of 40 CFR 75 is not required and missing CEMS data should be reported as monitor downtime in the excess emissions and monitoring performance report required in 40 CFR 60.7(c). [40 CFR 60 & 40 CFR 75; and, Permit No. 0310047-002-AC]

Test Methods and Procedures

A.23. Test Methods. When required, tests shall be performed in accordance with the following reference methods:

Method	Description of Method and Comments
1-4	Traverse Points, Velocity and Flow Rate, Gas Analysis, and Moisture Content
7E	Determination of Nitrogen Oxide Emissions from Stationary Sources (Instrumental)
9	Visual Determination of the Opacity of Emissions from Stationary Sources
10	Determination of Carbon Monoxide Emissions from Stationary Sources {Note: The method shall be based on a continuous sampling train.}
19	Determination of Sulfur Dioxide Removal Efficiency and Particulate Matter, Sulfur Dioxide and Nitrogen Oxide Emission Rates.
20	Determination of Nitrogen Oxides, Sulfur Dioxide and Diluent Emissions from Stationary Gas Turbines

Method	Description of Method and Comments
18, 25, or 25A	Method for Determining Gaseous Organic Concentrations (Flame Ionization)

The above methods are described in 40 CFR 60, Appendix A, and adopted by reference in Rule 62-204.800, F.A.C. No other methods may be used unless prior written approval is received from the Department. [Rule 62-297.401, F.A.C., and Permit No. 0310047-002-AC]

A.24. Common Testing Requirements. Unless otherwise specified, tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit. [Rule 62-297.310, F.A.C.]

A.25. Annual Compliance Tests Required. During each federal fiscal year (October 1 - September 30), an annual compliance test shall be performed in accordance with the specified EPA Reference methods for the following pollutants:

a. *CO Emissions.* Annual compliance testing for CO may be conducted at less than capacity when compliance testing is conducted concurrent with the annual NO_X RATA testing, which is performed pursuant to 40 CFR 75. [Rule 62-297.310(7), F.A.C.; 40 CFR 60 & 40 CFR 75; and, Permit No. 0310047-002-AC]

b. *NO_X Emissions*. Annual compliance testing for NO_X is not required. Continuous compliance with the NO_X standards shall be demonstrated by the CEMS maintained in accordance with 40 CFR 75. [40 CFR 60 & 40 CFR 75; and, Permit No. 0310047-002-AC]
{Permitting Note: The permittee conducted initial tests in accordance with the lbs/hour emissions standards in Specific Conditions A.10. and A.11. and EPA Method 20 to demonstrate compliance with Subpart GG in 40 CFR 60.}

c. *VOC Emissions*. No annual compliance testing is required. Compliance with the CO emission limit serves as a surrogate. [Permit No. 0310047-002-AC]
{Permitting Note: Pursuant to Permit No. 0310047-002-AC, the permittee conducted initial tests in accordance with EPA Method 25A to demonstrate compliance with VOC standards.}

d. *PM Emissions*. No annual compliance testing is required. Pursuant to Permit No. 0310047-002-AC, the permittee elected to comply with an opacity limit of 10 percent when firing oil in lieu of the PM limit and testing requirement. [Permit No. 0310047-002-AC and Application No. 0310047-021-AV Supplement Dated 8/10/12]

e. *Visible Emissions.* An annual compliance test is required to determine VE. Any combustion turbine that does not operate for more than 400 hours per year shall conduct a compliance test once per each five-year period, coinciding with the term of its air operation permit. [Rule 62-297.310(7)(a)8., F.A.C.; Permit No. 0310047-002-AC; and, Application No. 0310047-021-AV Supplement Dated 8/10/12]
{Permitting Note: Permit No. 0310047-002-AC specified a PM emissions limit of 17 lbs/hour (non-condensable only) when firing distillate oil. As allowed by that permit, the permittee has elected to comply with an optional opacity limit of 10 percent when firing oil in lieu of the PM emissions limit and testing requirement.}

f. *SO_2 Emissions.* No annual compliance testing is required. Compliance with these limits shall be demonstrated by complying with the fuel sulfur monitoring and fuel consumption monitoring requirements of this subsection. [40 CFR 60 & 40 CFR 75; and, Permit No. 0310047-002-AC]

A.26. Compliance Tests Prior To Renewal. In addition to the annual compliance tests specified above, compliance tests shall also be performed for CO prior to obtaining a renewed operation permit to demonstrate compliance with the emission limits in Specific Condition **A.12.** [Rules 62-210.300(2)(a) & 62-297.310(7)(a), F.A.C.]

{Permitting Note: Tests which are only required once during the term of a permit prior to obtaining a renewed permit should be performed roughly five years from the previous test.}

Recordkeeping and Reporting Requirements

A.27. Reporting Schedule. The following reports and notifications shall be submitted to the Compliance Authority:

Report	Reporting Deadline	Related Condition(s)
Distillate Oil Consumption	Upon request.	**A.30.**
Excess Emissions Reports	Quarterly.	**A.31., A.32.**

[Rule 62-213.440(1)(b), F.A.C.]

A.28. Other Reporting Requirements. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements. [Rule 62-213.440(1)(b), F.A.C.]

A.29. Records. All measurements, records, and other data required to be maintained by the permittee shall be recorded in a permanent form and retained for at least five years following the date on which such measurements, records, or data are recorded. These records shall be made available to Department and/or EQD representatives upon request. [Rule 62-213.440, F.A.C. and Permit No. 0310047-002-AC]

A.30. Distillate Oil Consumption. Records of the distillate oil consumption shall be maintained and made available to the Department and/or the EQD office(s) upon request. [Rule 62-213.440, F.A.C.]

A.31. Quarterly Excess Emissions Reports, Subpart GG. With regard to the emissions standards in Subpart GG of 40 CFR 60, quarterly excess emission reports shall be submitted to the Department and EQD offices in accordance with 40 CFR 60.7(c). This unit shall comply with the CEMS frequency data report as specified in 40 CFR 60.7(c). Quarterly reports are due within 30 days following each calendar quarter. [40 CFR 60.7(c); and, Permit Nos. 0310047-002-AC & 0310047-013-AC]

A.32. Quarterly Excess Emissions Reports. Periods of startup, shutdown, malfunction and fuel switching shall be monitored, recorded, and reported as excess emissions when emission levels exceed the permitted standards listed in this subsection. Following the same format in 40 CFR 60.7, quarterly excess emission reports shall be submitted to the Department and EQD offices. Quarterly reports are due within 30 days following each calendar quarter. [40 CFR 60 & 40 CFR 75; and, Permit Nos. 0310047-002-AC and 0310047-013-AC]

Miscellaneous

A.33. Operating Procedures. Operating procedures shall include good operating practices and proper training of all operators and supervisors. The good operating practices shall meet the guidelines and procedures as established by the equipment manufacturers. All operators (including supervisors) of air pollution control devices shall be properly trained in plant specific equipment. [Permit No. 0310047-002-AC]

A.34. New Source Performance Standards (NSPS). CT No. 7 shall be in compliance with the applicable provisions of Subparts A and GG in 40 CFR 60 adopted by reference in Rule 62-204.800, F.A.C. The Subpart GG requirement to correct test data to ISO conditions applies. However, such correction is not required to demonstrate compliance with non-NSPS permit standards. [40 CFR 60, Subparts A & GG; and Permit No. 0310047-002-AC]

Subsection B. Emissions Unit 016

The specific conditions in this section apply to the following emissions unit:

EU No.	Brief Description
016	CT No. 8 – 172 MW General Electric PG7241 FA combustion turbine-electrical generator.

Emissions unit 016 is a combustion turbine (CT) manufactured by the General Electric Company (General Electric Model PG7241 FA) and is designated as CT No. 8. CT No. 8 began commercial operation on April 16, 2009. It is a simple cycle unit consisting of a nominal 172 MW (at 59° F) CT-electrical generator set equipped with Dry Low NO_X (DLN-2.6) combustors. The nominal heat input rate to the combustion turbine is 1,804 MMBtu per hour when firing natural gas and 1,989 MMBtu per hour when firing distillate fuel oil based on a compressor inlet air temperature of 59° F, the higher heating value (HHV) of each fuel, and 100% load. Exhaust gas exits a stack that is 18.0 feet in diameter and is 115 feet tall. Volumetric flow rate is 2,399,000 actual cubic feet per minute (acfm); exit temperature is 1,110 degrees Fahrenheit.

This emissions unit is regulated under 40 CFR 60, Subpart KKKK (Standards of Performance for Stationary Combustion Turbines for which Construction is Commenced after February 18, 2005), adopted by reference in Rule 62-204.800, F.A.C.; and 40 CFR 60, Subpart A, adopted by reference in Rule 62-204.800, F.A.C. The unit's construction was authorized by Department permits PSD-FL-386, PSD-FL-386A and PSD-FL-386B. A compliance assurance monitoring (CAM) plan is not required because compliance with the NO_X standards is continuously demonstrated by data collected with the continuous emissions monitoring system (CEMS).

Applicable Standards and Regulations

B.1. NSPS Requirements. The combustion turbine shall comply with the applicable New Source Performance Standards (NSPS) in 40 CFR 60, including: Subpart A (General Provisions) and Subpart KKKK (Standards of Performance for Stationary Combustion Turbines for which Construction is Commenced after February 18, 2005). Separate reporting and monitoring may be required by the individual subparts. [Rule 62-204.800(8), F.A.C.; 40 CFR 60, Subparts A and KKKK; 310047-015-AC, Specific Condition 3]

Equipment Description

B.2. Combustion Turbine. The permittee is authorized to tune, operate, and maintain one General Electric Model PG7241(FA) combustion turbine-electrical generator set with a nominal generating capacity of 172 MW. The combustion turbine is equipped with a dry low-NO_X (DLN) combustion system, automated combustion turbine control system, and an inlet air filtration system. The combustion turbine is designed for operation in simple cycle mode and has dual-fuel capability. [Permit No. 0310047-015-AC, Specific Condition 4]

Control Technology

B.3. DLN Combustion. The permittee shall operate and maintain the General Electric DLN 2.6 combustion system (or better) to control NO_X emissions from the combustion turbine when firing natural gas. The system shall be maintained and tuned in accordance with the manufacturer's recommendations, industry standards or determined best practices. [Permit Nos. 0310047-015-AC, Specific Condition 5, & 0310047-019-AC]

B.4. Water Injection Technology. The permittee shall operate and maintain a water injection system to reduce NO_X emissions when firing distillate oil. The system shall be maintained and tuned in accordance with the manufacturer's recommendations or industry standards. [Permit No. 0310047-015-AC, Specific Condition 6]

Essential Potential to Emit (PTE) Parameters

B.5. Hours of Operation. The unit shall not operate more than 3,500 hours during any consecutive 12 months. Of this amount, the unit shall not fire distillate oil for more than 500 hours during any consecutive 12 months. [Rules 62-210.200(PTE) & 62-212.400(12), F.A.C.; and, Permit No. 0310047-015-AC, Specific Condition 7]

B.6. Permitted Capacity. The nominal heat input rate to the combustion turbine is 1,804 MMBtu per hour when firing natural gas and 1,989 MMBtu per hour when firing distillate oil based on a compressor inlet air temperature of 59° F, the higher heating value (HHV) of each fuel, and 100% load. Heat input rates will vary depending upon combustion turbine characteristics, ambient conditions, and alternate methods of operation. The permittee has provided manufacturer's performance curves (or equations) that correct for site conditions to the Permitting and Compliance Authorities. Operating data may be adjusted for the appropriate site conditions in accordance with the performance curves and/or equations on file with the Department. [Rules 62-4.070(3), 62-212.400(PSD) & 62-210.200(PTE), F.A.C.; and, Permit No. 0310047-015-AC, Specific Condition 8]

B.7. Authorized Fuels. The combustion turbine shall fire natural gas as the primary fuel, which shall contain no more than 2 grains of sulfur per 100 standard cubic feet of natural gas. As a restricted alternate fuel, the combustion turbine may fire distillate oil containing no more than 0.05% sulfur by weight. [Rules 62-210.200(PTE) & 62-212.400 (BACT), F.A.C.; and, Permit No. 0310047-015-AC, Specific Condition 9]

B.8. Simple Cycle, Intermittent Operation. The combustion turbine shall operate only in simple cycle mode not to exceed the permitted hours of operation allowed by this permit. This restriction is based on the permittee's request, which formed the basis of the PSD applicability and BACT determinations and resulted in the emission standards specified in this permit. For any request to convert this unit to combined cycle operation by installing/connecting to heat recovery steam generators, including changes to the fuel quality or quantity related to combined cycle conversion which may cause an increase in short or long-term emissions, the permittee may be required to submit a full PSD permit application complete with a new proposal of the Best Available Control Technology as if the unit had never been built. [Rules 62-212.400(12) & 62-212.400(PSD), F.A.C.; and, Permit No. 0310047-015-AC, Specific Condition 10]

B.9. Operating Procedures. The Best Available Control Technology (BACT) determinations established by this permit rely on "good operating practices" to reduce emissions. Therefore all operators and supervisors shall be properly trained to operate and ensure maintenance of the combustion turbine, and pollution control systems in accordance with the guidelines and procedures established by each manufacturer. The training shall include good operating practices as well as methods for minimizing excess emissions. [Rules 62-4.070(3) & 62-212.400(BACT), F.A.C.; and, Permit No. 0310047-015-AC, Specific Condition 11]

Emission Limitations and Standards

Unless otherwise specified, the averaging times for Specific Condition **B.10.** are based on the specified averaging time of the applicable test method.

B.10. Emission Standards. Emissions from the combustion turbine shall not exceed the following emissions standards.

Pollutant	Emission Standard [e]	Averaging Time	Compliance Method	Basis
CO [a] (Gas)	9.0 ppmvd @ 15% O_2	3-hour test avg.	EPA Method 10 Test	Avoid PSD
	32.0 lb/hour			
CO [a] (Oil)	20.0 ppmvd @ 15% O_2	3-hour test avg.	EPA Method 10 Test	
	66.0 lb/hour			
NO_X [b] (Gas)	15.0 ppmvd @ 15% O_2	4 hour rolling average	CEMS	NSPS and Avoid PSD
	108.3 lb/hour	3-hour test avg.	CEMS and EPA Methods 7E, 19 or 20	
NO_X [b]	42 ppmvd @ 15% O_2	4 hour rolling average	CEMS	NSPS and

Pollutant	Emission Standard [e]	Averaging Time	Compliance Method	Basis
(Oil)	335.0 lb/hour	3-hour test avg.	CEMS and EPA Methods 19, 7E or 20	Avoid PSD
PM/PM_{10} [c]	10% Opacity	6-minute block	EPA Method 9 Test	BACT
	Fuel sulfur specifications	N/A	Record Keeping	
SO_2 [d] (Gas)	2 grains sulfur (S)/100 SCF of gas	N/A	Record Keeping	Avoid PSD
SO_2 [d] (Oil)	0.05% sulfur by weight	N/A	Record Keeping	Avoid PSD

a. The permittee conducted an initial test to demonstrate compliance with the CO emissions limits for the unit as constructed. Subsequent compliance tests shall be conducted prior to obtaining a renewed Title V operating permit.
b. Continuous compliance shall be demonstrated with the 4-hour rolling average NO_X emissions limit (ppmvd @ 15% O_2) by data collected from the required continuous emissions monitoring system (CEMS). If the CEMS data indicates that the 4-hour rolling average is in excess of the emission limit, excess emission reports must be filed. Compliance with the lbs/hour NO_X standards is only required to be demonstrated with initial compliance tests or upon special request (see Specific Condition **B.21.**) request by the Department. Compliance with the applicable lbs/hr NO_X limit can be demonstrated for any 3-hour averaging period by converting CEMS data rather than through regular stack testing.
c. The fuel sulfur specifications combined with the efficient combustion design and operation of the combustion turbine represents BACT for PM/PM_{10} emissions. No stack tests are required. Compliance with the CO and visible emissions standards shall serve as indicators of good combustion. *{Permitting Note: Maximum expected PM/PM_{10} emissions are approximately 19 lb/hour on natural gas and 45.0 lb/hr on oil.}*
d. The fuel sulfur specifications effectively limit the potential emissions of sulfur dioxide (SO_2) from each combustion turbine. No stack tests are required.
e. The mass emission rate standards are based on a turbine inlet condition of 59° F and the higher heating value of each fuel. Mass emission rates may be adjusted for actual test conditions in accordance with the performance curves and/or equations on file with the Department.

[Rules 62-212.400 (BACT), F.A.C., 62-4.070(3), F.A.C., 62-212.400(12), F.A.C. (Source Obligation), & 62-297.310(7)(a)3, F.A.C.; and, Permit Nos. 0310047-015-AC, Specific Condition 12, 0310047-018-AC & 0310047-019-AC]

B.11. Definitions. Startup, shutdown, and malfunction are defined as follows:
a. *Startup* is defined as the commencement of operation of any emissions unit which has shut down or ceased operation for a period of time sufficient to cause temperature, pressure, chemical or pollution control device imbalances, which result in excess emissions.
b. *Shutdown* is the cessation of the operation of an emissions unit for any purpose.
c. *Malfunction* is defined as any unavoidable mechanical and/or electrical failure of air pollution control equipment or process equipment or of a process resulting in operation in an abnormal or unusual manner.

[Rule 62-210.200(Definitions), F.A.C. and Permit No. 0310047-015-AC, Specific Condition 20]

B.12. Excess Emissions Prohibited. Excess emissions caused entirely or in part by poor maintenance, poor operation or any other equipment or process failure that may reasonably be prevented during startup, shutdown or malfunction shall be prohibited. All such preventable emissions shall be included in any compliance determinations based on CEMS data. [Rule 62-210.700(4), F.A.C. and Permit No. 0310047-015-AC, Specific Condition 21]

B.13. Alternate Visible Emissions Standard. Visible emissions during startup shall not exceed 20% opacity based on a 6-minute averaging period. [Rule 62-210.700(5), F.A.C. and Permit No. 0310047-015-AC, Specific Condition 22]

Continuous Monitoring Requirements

B.14. Continuous Compliance. Continuous compliance with the NO_X emissions standard (ppmvd @ 15% O_2) shall be demonstrated with data collected from the required continuous emissions monitoring systems (CEMS). [Rule 62-4.070(3), F.A.C.; 40 CFR 60, Subpart KKKK; and, Permit No. 0310047-015-AC, Specific Condition 14]

B.15. CEM Systems. The permittee shall calibrate, maintain, and operate continuous emission monitoring systems (CEMS) to measure and record the emissions of NO_X from the combustion turbine in a manner sufficient to demonstrate continuous compliance with the CEMS emission standards of this section.

a. *NO_X Monitor:* Each NO_X monitor shall be certified pursuant to the specifications of 40 CFR 75 and comply with the applicable requirements of 40 CFR 60 Subpart KKKK. Quality assurance procedures shall conform to the requirements of 40 CFR 75. The RATA tests required for the NO_X monitor shall be performed using EPA Method 20 or 7E in Appendix A of 40 CFR 60.

b. *Diluent Monitor:* The oxygen (O_2) or carbon dioxide (CO_2) content of the flue gas shall be monitored at the location where NO_X is monitored to correct the measured emissions rates to 15% oxygen. If a CO_2 monitor is installed, the oxygen content of the flue gas shall be calculated using F-factors that are appropriate for the fuel fired. Each monitor shall comply with the performance and quality assurance requirements of 40 CFR 75. For any hour in which the hourly average O_2 concentration exceeds 19.0 percent O_2 (or the hourly average CO_2 concentration is less than 1.0 percent CO_2), a diluent cap value of 19.0 percent O_2 or 1.0 percent CO_2 (as applicable) may be used in the emission calculations.

c. For purposes of determining compliance with the CEMS emissions standards of the permit, missing or excluded data shall not be substituted and bias corrected data shall not be used.

[Rules 62-4.070(3), 62-210.800, 62-212.400(BACT) & 62-297.520, F.A.C.; 40 CFR 60.4350; and, Permit Nos. 0310047-015-AC, Specific Condition 23 & 0310047-018-AC]

Test Methods and Procedures

B.16. Test Methods. When required, tests shall be performed in accordance with the following reference methods:

Method	Description of Method and Comments
1-4	Traverse Points, Velocity and Flow Rate, Gas Analysis, and Moisture Content
7E	Determination of Nitrogen Oxide Emissions from Stationary Sources (Instrumental)
9	Visual Determination of the Opacity of Emissions from Stationary Sources
10	Determination of Carbon Monoxide Emissions from Stationary Sources Note: The method shall be based on a continuous sampling train. The ascarite trap may be omitted or the interference trap of section 10.1 may be used in lieu of the silica gel and ascarite traps.
19	Determination of Sulfur Dioxide Removal Efficiency and Particulate Matter, Sulfur Dioxide, and Nitrogen Oxide Emission Rates
20	Determination of Nitrogen Oxides, Sulfur Dioxide and Diluent Emissions from Stationary Combustion Turbines

The above methods are described in 40 CFR 60, Appendix A, and adopted by reference in Rule 62-204.800, F.A.C. No other methods may be used unless prior written approval is received from the Department. [Rule 62-297.401, F.A.C. and Permit No. 0310047-015-AC, Specific Condition 16]

B.17. Common Testing Requirements. Unless otherwise specified, tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit. [Rule 62-297.310, F.A.C.]

B.18. Testing Requirements. Unless otherwise specified, all compliance tests shall be conducted between 90% and 100% of permitted capacity in accordance with the requirements of Rule 62-297.310(2), F.A.C. [Rules 62-297.310(7)(a) & (b), F.A.C.; 40 CFR 60.8; and, Permit No. 0310047-015-AC, Specific Condition 15]

B.19. Compliance with the SO_2 and PM/PM_{10} Emission Limits. Notwithstanding the requirements of Rule 62-297.310(7), F.A.C., the method for determining compliance with the SO_2 and PM_{10} standards is the use of natural gas (2 grains per 100 standard cubic feet, maximum) and distillate oil (0.05% sulfur by weight, maximum). [Permit No. 0310047-002-AC]

B.20. Annual and Renewal Compliance Testing. During each federal fiscal year (October 1st to September 30th), annual compliance tests for visible emissions shall be conducted. For each visible emissions test, emissions of NO_X recorded by the CEMS shall also be reported. If the unit does not operate for more than 400 hours in a federal fiscal year for a given fuel, then an annual visible emissions test is not required for that fuel. If annual visible emissions testing is not required due to this exclusion, a visible emissions compliance test shall be conducted prior to obtaining a renewed Title V operating permit. Neither annual nor permit renewal compliance testing is required for NO_X. Continuous compliance with the NO_X standards shall be demonstrated by CEMS maintained in accordance with 40 CFR 75. Annual compliance tests are not required for CO. Compliance tests shall be performed prior to renewal. CO compliance testing may be conducted concurrently with the annual NO_X RATA testing and when so conducted, future operations are not limited to 110% of the test rate. [Rules 62-4.070(3), 62-297.310(7)(a) & (b), F.A.C.; and, Permit Nos. 0310047-015-AC, Specific Condition 18 & 0310047-019-AC]

B.21. Special Compliance Tests. When the Department, after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission standard contained in a Department rule or in a permit issued pursuant to those rules is being violated, it shall require the owner or operator of the emissions unit to conduct compliance tests which identify the nature and quantity of pollutant emissions from the emissions unit and to provide a report on the results of said tests to the Department. The Department may require the permittee to conduct additional tests after major replacement or major repair of any air pollution control equipment, such as the DLN combustors, etc. [Rule 62-297.310(7)(b), F.A.C.; 0310047-015-AC, Specific Condition 19]

Recordkeeping and Reporting Requirements

B.22. Reporting Schedule. The following reports and notifications shall be submitted to the Compliance Authority:

Report	Reporting Deadline	Related Condition(s)
Monitoring of Capacity	Daily.	**B.24.**
Monthly Operations Summary	Monthly.	**B.25.**
Fuel Sulfur Records	Daily.	**B.26.**
CEMS RATA Reports	As required.	**B.27.**
Emissions Reports	As required.	**B.28.**

[Rule 62-213.440(1)(b), F.A.C.]

B.23. Other Reporting Requirements. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements. [Rule 62-213.440(1)(b), F.A.C.]

B.24. Monitoring of Capacity. The permittee shall monitor and record the operating rate of the combustion turbine on a daily average basis, considering the number of hours of operation during each day (including the times of startup, shutdown, and malfunction). This shall be achieved through monitoring daily rates of consumption and heat content of each allowable fuel in accordance with the provisions of 40 CFR 75

Appendix D, and recording the data using a monitoring component of the CEMS system required above. [Rules 62-4.070(3) & 62-212.400(PSD), F.A.C.; and, Permit No. 0310047-015-AC, Specific Condition 24]

B.25. Monthly Operations Summary. By the 15th calendar day of each month, the permittee shall record the following for each fuel in a written or electronic log for the combustion turbine for the previous month of operation: hours of operation for the month and for the rolling 12-month total. Information recorded and stored as an electronic file shall be available for inspection and printing within at least three days of a request by the Department. The fuel consumption shall be monitored in accordance with the provisions of 40 CFR 75 Appendix D. [Rules 62-4.070(3) & 62-212.400(PSD), F.A.C.; and, Permit Nos. 0310047-015-AC, Specific Condition 25; 0310047-018-AC]

B.26. Fuel Sulfur Records. The permittee shall monitor fuel sulfur in accordance with 40 CFR 60.4415 as summarized in Appendix KKKK of this permit. [40 CFR 60, Subpart A & Subpart KKKK; and, Permit No. 0310047-015-AC, Specific Condition 26]

B.27. CEMS RATA Reports. At least 15 days prior to conducting any Relative Accuracy Test Audits (RATA) on a CEMS, the permittee shall provide written notification to the Compliance Authority of the schedule (by letter, email, or fax). A summary of the RATA reports shall be provided upon written request of the Compliance Authority and in the SIP Excess Emissions Report as specified in Specific Condition **B.28.** [Rules 62-4.070(3) & 62-212.400(BACT), F.A.C.; and, Permit No. 0310047-015-AC, Specific Condition 28]

B.28. Emissions Reports.

a. *NSPS Emissions Report*: Within thirty (30) days following each calendar semiannual period, the permittee shall submit a report including any applicable periods of excess emissions and monitoring systems performance as defined in 40 CFR 60, Subpart KKKK (Standards of Performance for Stationary Combustion Turbines) that occurred during the previous semiannual period to the Compliance Authority.

b. *Malfunction Notification*: For each malfunction resulting in excess emissions that exceed two hours in any 24 hour period, the permittee shall notify the Compliance Authority within one working day of: the nature, extent, and duration of the excess emissions; the cause of the excess emissions; and the actions taken to correct the problem. In addition, the Compliance Authority may request a written summary report of the incident.

[Rules 62-4.070(3), 62-4.130, 62-204.800, 62-210.700(6) & 62-212.400(BACT), F.A.C.; 40 CFR 60.7 & 60.4395; and, Permit Nos. 0310047-015-AC, Specific Condition 29 & 0310047-018-AC]

Federal Acid Rain Provisions

Operated by: JEA
ORIS Code: 0666

The emissions units listed below are regulated under Acid Rain, Phase II.

EU No.	EPA Unit ID#	Brief Description
015	7	CT No. 7 – 170 MW combustion turbine-electrical generator.
016	8	CT No. 8 – 172 MW combustion turbine-electrical generator.

1. The Phase II Acid Rain Part application submitted for this facility, as approved by the Department, is a part of this permit. The owners and operators of these Phase II acid rain units must comply with the standard requirements and special provisions set forth in the application listed below:
a. DEP Form No. 62-210.900(1)(a), dated 07/23/12, received 07/23/12.
[Chapter 62-213, F.A.C. and Rule 62-214.320, F.A.C.]

2. Sulfur Dioxide (SO_2) Emission Allowances. SO_2 emissions from sources subject to the Federal Acid Rain Program (Title IV) shall not exceed any allowances that the source lawfully holds under the Federal Acid Rain Program. Allowances shall not be used to demonstrate compliance with a non-Title IV applicable requirement of the Act.
a. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the Federal Acid Rain Program, provided that such increases do not require a permit revision pursuant to Rule 62-213.400(3), F.A.C.
b. No limit shall be placed on the number of allowances held by the source under the Federal Acid Rain Program.
c. Allowances shall be accounted for under the Federal Acid Rain Program.
[Rule 62-213.440(1)(c)1., 2. & 3., F.A.C.]

3. Comments, Notes, and Justifications: None.

Acid Rain Part Application

For more information, see instructions and refer to 40 CFR 72.30, 72.31, and 74; and Chapter 62-214, F.A.C.

This submission is: ☐ New ☐ Revised ☑ Renewal

STEP 1

Identify the source by plant name, state, and ORIS or plant code.

Plant name	State	ORIS/Plant Code
JD Kennedy	FL	0666

STEP 2
Enter the unit ID# for every Acid Rain unit at the Acid Rain source in column "a."

If unit a SO_2 Opt-in unit, enter "yes" in column "b".

For new units or SO_2 Opt-in units, enter the requested information in columns "d" and "e."

a	b	c	d	e
Unit ID#	SO_2 Opt-In Unit? (Yes or No)	Unit will hold allowances in accordance with 40 CFR 72.9(c)(1)	New or SO_2 Opt-in Units Commence Operation Date	New or SO_2 Opt-in Units Monitor Certification Deadline
CT7	No	Yes	June 2000	
CT8	No	Yes	May 2009	
		Yes		
		Yes		
		Yes		
		Yes		
		Yes		
		Yes		
		Yes		
		Yes		
		Yes		
		Yes		

DEP Form No. 62-210.900(1)(a) – Form
Effective: 3/16/08

1

JD Kennedy
Plant Name (from STEP 1)

STEP 3

Read the standard requirements.

Acid Rain Part Requirements.

(1) The designated representative of each Acid Rain source and each Acid Rain unit at the source shall:
(i) Submit a complete Acid Rain Part application (including a compliance plan) under 40 CFR Part 72 and Rules 62-214.320 and 330, F.A.C., in accordance with the deadlines specified in Rule 62-214.320, F.A.C.; and
(ii) Submit in a timely manner any supplemental information that the DEP determines is necessary in order to review an Acid Rain Part application and issue or deny an Acid Rain Part;
(2) The owners and operators of each Acid Rain source and each Acid Rain unit at the source shall:
(i) Operate the unit in compliance with a complete Acid Rain Part application or a superseding Acid Rain Part issued by the DEP; and
(ii) Have an Acid Rain Part.

Monitoring Requirements.

(1) The owners and operators and, to the extent applicable, designated representative of each Acid Rain source and each Acid Rain unit at the source shall comply with the monitoring requirements as provided in 40 CFR Part 75, and Rule 62-214.420, F.A.C.
(2) The emissions measurements recorded and reported in accordance with 40 CFR Part 75 shall be used to determine compliance by the unit with the Acid Rain emissions limitations and emissions reduction requirements for sulfur dioxide and nitrogen oxides under the Acid Rain Program.
(3) The requirements of 40 CFR Part 75 shall not affect the responsibility of the owners and operators to monitor emissions of other pollutants or other emissions characteristics at the unit under other applicable requirements of the Act and other provisions of the operating permit for the source.
(4) For applications including a SO_2 Opt-in unit, a monitoring plan for each SO_2 Opt-in unit must be submitted with this application pursuant to 40 CFR 74.14(a). For renewal applications for SO_2 Opt-in units include an updated monitoring plan if applicable under 40 CFR 75.53(b).

Sulfur Dioxide Requirements.

(1) The owners and operators of each source and each Acid Rain unit at the source shall:
(i) Hold allowances, as of the allowance transfer deadline, in the unit's compliance subaccount (after deductions under 40 CFR 73.34(c)), or in the compliance subaccount of another Acid Rain unit at the same source to the extent provided in 40 CFR 73.35(b)(3), not less than the total annual emissions of sulfur dioxide for the previous calendar year from the unit; and
(ii) Comply with the applicable Acid Rain emissions limitations for sulfur dioxide.
(2) Each ton of sulfur dioxide emitted in excess of the Acid Rain emissions limitations for sulfur dioxide shall constitute a separate violation of the Act.
(3) An Acid Rain unit shall be subject to the requirements under paragraph (1) of the sulfur dioxide requirements as follows:
(i) Starting January 1, 2000, an Acid Rain unit under 40 CFR 72.6(a)(2); or
(ii) Starting on the later of January 1, 2000, or the deadline for monitor certification under 40 CFR Part 75, an Acid Rain unit under 40 CFR 72.6(a)(3).
(4) Allowances shall be held in, deducted from, or transferred among Allowance Tracking System accounts in accordance with the Acid Rain Program.
(5) An allowance shall not be deducted in order to comply with the requirements under paragraph (1) of the sulfur dioxide requirements prior to the calendar year for which the allowance was allocated.
(6) An allowance allocated by the Administrator under the Acid Rain Program is a limited authorization to emit sulfur dioxide in accordance with the Acid Rain Program. No provision of the Acid Rain Program, the Acid Rain Part application, the Acid Rain Part, or an exemption under 40 CFR 72.7 or 72.8 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.
(7) An allowance allocated by the Administrator under the Acid Rain Program does not constitute a property right.

Nitrogen Oxides Requirements. The owners and operators of the source and each Acid Rain unit at the source shall comply with the applicable Acid Rain emissions limitation for nitrogen oxides.

Excess Emissions Requirements.

(1) The designated representative of an Acid Rain unit that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR Part 77.
(2) The owners and operators of an Acid Rain unit that has excess emissions in any calendar year shall:
(i) Pay without demand the penalty required, and pay upon demand the interest on that penalty, as required by 40 CFR Part 77; and
(ii) Comply with the terms of an approved offset plan, as required by 40 CFR Part 77.

Recordkeeping and Reporting Requirements.

(1) Unless otherwise provided, the owners and operators of the source and each Acid Rain unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 5 years, in writing by the EPA or the DEP:
(i) The certificate of representation for the designated representative for the source and each Acid Rain unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with Rule 62-214.350, F.A.C.; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation changing the designated representative;
(ii) All emissions monitoring information, in accordance with 40 CFR Part 75, provided that to the extent that 40 CFR Part 75 provides for a 3-year period for recordkeeping, the 3-year period shall apply;
(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the Acid Rain Program; and,

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Plant Name (from STEP 1)

STEP 3, Continued.

Recordkeeping and Reporting Requirements (cont)

(iv) Copies of all documents used to complete an Acid Rain Part application and any other submission under the Acid Rain Program or to demonstrate compliance with the requirements of the Acid Rain Program.

(2) The designated representative of an Acid Rain source and each Acid Rain unit at the source shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR Part 72, Subpart I, and 40 CFR Part 75.

Liability.

(1) Any person who knowingly violates any requirement or prohibition of the Acid Rain Program, a complete Acid Rain Part application, an Acid Rain Part, or an exemption under 40 CFR 72.7 or 72.8, including any requirement for the payment of any penalty owed to the United States, shall be subject to enforcement pursuant to section 113(c) of the Act.
(2) Any person who knowingly makes a false, material statement in any record, submission, or report under the Acid Rain Program shall be subject to criminal enforcement pursuant to section 113(c) of the Act and 18 U.S.C. 1001.
(3) No permit revision shall excuse any violation of the requirements of the Acid Rain Program that occurs prior to the date that the revision takes effect.
(4) Each Acid Rain source and each Acid Rain unit shall meet the requirements of the Acid Rain Program.
(5) Any provision of the Acid Rain Program that applies to an Acid Rain source (including a provision applicable to the designated representative of an Acid Rain source) shall also apply to the owners and operators of such source and of the Acid Rain units at the source.
(6) Any provision of the Acid Rain Program that applies to an Acid Rain unit (including a provision applicable to the designated representative of an Acid Rain unit) shall also apply to the owners and operators of such unit. Except as provided under 40 CFR 72.44 (Phase II repowering extension plans) and 40 CFR 76.11 (NO_x averaging plans), and except with regard to the requirements applicable to units with a common stack under 40 CFR Part 75 (including 40 CFR 75.16, 75.17, and 75.18), the owners and operators and the designated representative of one Acid Rain unit shall not be liable for any violation by any other Acid Rain unit of which they are not owners or operators or the designated representative and that is located at a source of which they are not owners or operators or the designated representative.
(7) Each violation of a provision of 40 CFR Parts 72, 73, 74, 75, 76, 77, and 78 by an Acid Rain source or Acid Rain unit, or by an owner or operator or designated representative of such source or unit, shall be a separate violation of the Act.

Effect on Other Authorities.

No provision of the Acid Rain Program, an Acid Rain Part application, an Acid Rain Part, or an exemption under 40 CFR 72.7or 72.8 shall be construed as:
(1) Except as expressly provided in title IV of the Act, exempting or excluding the owners and operators and, to the extent applicable, the designated representative of an Acid Rain source or Acid Rain unit from compliance with any other provision of the Act, including the provisions of title I of the Act relating to applicable National Ambient Air Quality Standards or State Implementation Plans;
(2) Limiting the number of allowances a unit can hold; *provided*, that the number of allowances held by the unit shall not affect the source's obligation to comply with any other provisions of the Act;
(3) Requiring a change of any kind in any state law regulating electric utility rates and charges, affecting any state law regarding such state regulation, or limiting such state regulation, including any prudence review requirements under such state law;
(4) Modifying the Federal Power Act or affecting the authority of the Federal Energy Regulatory Commission under the Federal Power Act; or,
(5) Interfering with or impairing any program for competitive bidding for power supply in a state in which such program is established.

STEP 4
For SO_2 Opt-in units only.

In column "f" enter the unit ID# for every SO_2 Opt-in unit identified in column "a" of STEP 2.

For column "g" describe the combustion unit and attach information and diagrams on the combustion unit's configuration.

In column "h" enter the hours.

f	g	h (not required for renewal application)
Unit ID#	Description of the combustion unit	Number of hours unit operated in the six months preceding initial application

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Effective: 3/16/08

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Plant Name (from STEP 1)	JD Kennedy

STEP 5

For SO_2 Opt-in units only. (Not required for SO_2 Opt-in renewal applications.)

In column "i" enter the unit ID# for every SO_2 Opt-in unit identified in column "a" (and in column "f").

For columns "j" through "n," enter the information required under 40 CFR 74.20-74.25 and attach all supporting documentation required by 40 CFR 74.20-74.25.

i	j	k	l	m	n
Unit ID#	Baseline or Alternative Baseline under 40 CFR 74.20 (mmBtu)	Actual SO_2 Emissions Rate under 40 CFR 74.22 (lbs/mmBtu)	Allowable 1985 SO_2 Emissions Rate under 40 CFR 74.23 (lbs/mmBtu)	Current Allowable SO_2 Emissions Rate under 40 CFR 74.24 (lbs/mmBtu)	Current Promulgated SO_2 Emissions Rate under 40 CFR 74.25 (lbs/mmBtu)

STEP 6

For SO_2 Opt-in units only.

Attach additional requirements, certify and sign.

A. If the combustion source seeks to qualify for a transfer of allowances from the replacement of thermal energy, a thermal energy plan as provided in 40 CFR 74.47 for combustion sources must be attached.
B. A statement whether the combustion unit was previously an affected unit under 40 CFR 74.
C. A statement that the combustion unit is not an affected unit under 40 CFR 72.6 and does not have an exemption under 40 CFR 72.7, 72.8, or 72.14.
D. Attach a complete compliance plan for SO_2 under 40 CFR 72.40.
E. The designated representative of the combustion unit shall submit a monitoring plan in accordance with 40 CFR 74.61. For renewal application, submit an updated monitoring plan if applicable under 40 CFR 75.53(b).
F. The following statement must be signed by the designated representative or alternate designated representative of the combustion source: "I certify that the data submitted under 40 CFR Part 74, Subpart C, reflects actual operations of the combustion source and has not been adjusted in any way."

Signature	Date

STEP 7

Read the certification statement; provide name, title, owner company name, phone, and e-mail address; sign, and date.

Certification (for designated representative or alternate designated representative only)

I am authorized to make this submission on behalf of the owners and operators of the Acid Rain source or Acid Rain units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

Name: Mike Brost	Title: Vice President, Electric Systems
Owner Company Name: JEA	
Phone: (904)665-7547	E-mail address: brosmj@jea.com
Signature: [signature]	Date: 7-23-12

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Clean Air Interstate Rule (CAIR).

Operated by: JEA
Plant: Kennedy Generating Station
ORIS Code: 0666

The emissions units below are regulated under the Clean Air Interstate Rule.

EU No.	EPA Unit ID#	Brief Description
015	7	CT No. 7 – 170 MW combustion turbine-electrical generator.
016	8	CT No. 8 – 172 MW combustion turbine-electrical generator.

1. Clean Air Interstate Rule Application. The Clean Air Interstate Rule Part Form submitted for this facility is a part of this permit. The owners and operators of these CAIR units as identified in this form must comply with the standard requirements and special provisions set forth in the CAIR Part Form (DEP Form No. 62-210.900(1)(b)) dated March 16, 2008, which is attached at the end of this section. [Chapter 62-213, F.A.C. and Rule 62-210.200, F.A.C.]

Clean Air Interstate Rule (CAIR) Part

For more information, see instructions and refer to 40 CFR 96.121, 96.122, 96.221, 96.222, 96.321 and 96.322; and Rule 62-296.470, F.A.C.

This submission is: ☐ New ☐ Revised ☑ Renewal

STEP 1

Identify the source by plant name and ORIS or EIA plant code

Plant Name:	State: Florida	ORIS or EIA Plant Code:
JD Kennedy		0666

STEP 2

In column "a" enter the unit ID# for every CAIR unit at the CAIR source.

In columns "b," "c," and "d," indicate to which CAIR program(s) each unit is subject by placing an "X" in the column(s).

For new units, enter the requested information in columns "e" and "f.

a	b	c	d	e	f
Unit ID#	Unit will hold nitrogen oxides (NO_X) allowances in accordance with 40 CFR 96.106(c)(1)	Unit will hold sulfur dioxide (SO_2) allowances in accordance with 40 CFR 96.206(c)(1)	Unit will hold NO_X Ozone Season allowances in accordance with 40 CFR 96.306(c)(1)	New Units Expected Commence Commercial Operation Date	New Units Expected Monitor Certification Deadline
CT7	X	X	X	June 2000	
CT8	X	X	X	May 2009	

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Effective: 3/16/08

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Plant Name (from STEP 1)	JD Kennedy

STEP 3

Read the standard requirements.

CAIR NO_X ANNUAL TRADING PROGRAM

CAIR Part Requirements.

(1) The CAIR designated representative of each CAIR NO_X source and each CAIR NO_X unit at the source shall:
(i) Submit to the DEP a complete and certified CAIR Part form under 40 CFR 96.122 and Rule 62-296.470, F.A.C., in accordance with the deadlines specified in Rule 62-213.420, F.A.C.; and
(ii) [Reserved];
(2) The owners and operators of each CAIR NO_X source and each CAIR NO_X unit at the source shall have a CAIR Part included in the Title V operating permit issued by the DEP under 40 CFR Part 96, Subpart CC, and operate the source and the unit in compliance with such CAIR Part.

Monitoring, Reporting, and Recordkeeping Requirements.

(1) The owners and operators, and the CAIR designated representative, of each CAIR NO_X source and each CAIR NO_X unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of 40 CFR Part 96, Subpart HH, and Rule 62-296.470, F.A.C.
(2) The emissions measurements recorded and reported in accordance with 40 CFR Part 96, Subpart HH, shall be used to determine compliance by each CAIR NO_X source with the following CAIR NO_X Emissions Requirements.

NO_X Emission Requirements.

(1) As of the allowance transfer deadline for a control period, the owners and operators of each CAIR NO_X source and each CAIR NO_X unit at the source shall hold, in the source's compliance account, CAIR NO_X allowances available for compliance deductions for the control period under 40 CFR 96.154(a) in an amount not less than the tons of total NO_X emissions for the control period from all CAIR NO_X units at the source, as determined in accordance with 40 CFR Part 96, Subpart HH.
(2) A CAIR NO_X unit shall be subject to the requirements under paragraph (1) of the NO_X Requirements starting on the later of January 1, 2009, or the deadline for meeting the unit's monitor certification requirements under 40 CFR 96.170(b)(1) or (2) and for each control period thereafter.
(3) A CAIR NO_X allowance shall not be deducted, for compliance with the requirements under paragraph (1) of the NO_X Requirements, for a control period in a calendar year before the year for which the CAIR NO_X allowance was allocated.
(4) CAIR NO_X allowances shall be held in, deducted from, or transferred into or among CAIR NO_X Allowance Tracking System accounts in accordance with 40 CFR Part 96, Subparts FF and GG.
(5) A CAIR NO_X allowance is a limited authorization to emit one ton of NO_X in accordance with the CAIR NO_X Annual Trading Program. No provision of the CAIR NO_X Annual Trading Program, the CAIR Part, or an exemption under 40 CFR 96.105 and no provision of law shall be construed to limit the authority of the state or the United States to terminate or limit such authorization.
(6) A CAIR NO_X allowance does not constitute a property right.
(7) Upon recordation by the Administrator under 40 CFR Part 96, Subpart EE, FF, or GG, every allocation, transfer, or deduction of a CAIR NO_X allowance to or from a CAIR NO_X unit's compliance account is incorporated automatically in any CAIR Part of the source that includes the CAIR NO_X unit.

Excess Emissions Requirements.

If a CAIR NO_X source emits NO_X during any control period in excess of the CAIR NO_X emissions limitation, then:
(1) The owners and operators of the source and each CAIR NO_X unit at the source shall surrender the CAIR NO_X allowances required for deduction under 40 CFR 96.154(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act or applicable state law; and
(2) Each ton of such excess emissions and each day of such control period shall constitute a separate violation of 40 CFR Part 96, Subpart AA, the Clean Air Act, and applicable state law.

Recordkeeping and Reporting Requirements.

(1) Unless otherwise provided, the owners and operators of the CAIR NO_X source and each CAIR NO_X unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the DEP or the Administrator.
(i) The certificate of representation under 40 CFR 96.113 for the CAIR designated representative for the source and each CAIR NO_X unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation under 40 CFR 96.113 changing the CAIR designated representative.
(ii) All emissions monitoring information, in accordance with 40 CFR Part 96, Subpart HH, of this part, provided that to the extent that 40 CFR Part 96, Subpart HH, provides for a 3-year period for recordkeeping, the 3-year period shall apply.
(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CAIR NO_X Annual Trading Program.
(iv) Copies of all documents used to complete a CAIR Part form and any other submission under the CAIR NO_X Annual Trading Program or to demonstrate compliance with the requirements of the CAIR NO_X Annual Trading Program.
(2) The CAIR designated representative of a CAIR NO_X source and each CAIR NO_X unit at the source shall submit the reports required under the CAIR NO_X Annual Trading Program, including those under 40 CFR Part 96, Subpart HH.

Plant Name (from STEP 1)	JD Kennedy

STEP 3, Continued

Liability.

(1) Each CAIR NO_X source and each CAIR NO_X unit shall meet the requirements of the CAIR NO_X Annual Trading Program.
(2) Any provision of the CAIR NO_X Annual Trading Program that applies to a CAIR NO_X source or the CAIR designated representative of a CAIR NO_X source shall also apply to the owners and operators of such source and of the CAIR NO_X units at the source.
(3) Any provision of the CAIR NO_X Annual Trading Program that applies to a CAIR NO_X unit or the CAIR designated representative of a CAIR NO_X unit shall also apply to the owners and operators of such unit.

Effect on Other Authorities.

No provision of the CAIR NO_X Annual Trading Program, a CAIR Part, or an exemption under 40 CFR 96.105 shall be construed as exempting or excluding the owners and operators, and the CAIR designated representative, of a CAIR NO_X source or CAIR NO_X unit from compliance with any other provision of the applicable, approved State Implementation Plan, a federally enforceable permit, or the Clean Air Act.

CAIR SO_2 TRADING PROGRAM

CAIR Part Requirements.

(1) The CAIR designated representative of each CAIR SO_2 source and each CAIR SO_2 unit at the source shall:
(i) Submit to the DEP a complete and certified CAIR Part form under 40 CFR 96.222 and Rule 62-296.470, F.A.C., in accordance with the deadlines specified in Rule 62-213.420, F.A.C.; and
(ii) [Reserved];
(2) The owners and operators of each CAIR SO_2 source and each CAIR SO_2 unit at the source shall have a CAIR Part included in the Title V operating permit issued by the DEP under 40 CFR Part 96, Subpart CCC, for the source and operate the source and each CAIR unit in compliance with such CAIR Part.

Monitoring, Reporting, and Recordkeeping Requirements.

(1) The owners and operators, and the CAIR designated representative, of each CAIR SO_2 source and each SO_2 CAIR unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of 40 CFR Part 96 ,Subpart HHH, and Rule 62-296.470, F.A.C.
(2) The emissions measurements recorded and reported in accordance with 40 CFR Part 96, Subpart HHH, shall be used to determine compliance by each CAIR SO_2 source with the following CAIR SO_2 Emission Requirements.

SO_2 Emission Requirements.

(1) As of the allowance transfer deadline for a control period, the owners and operators of each CAIR SO_2 source and each CAIR SO_2 unit at the source shall hold, in the source's compliance account, a tonnage equivalent in CAIR SO_2 allowances available for compliance deductions for the control period, as determined in accordance with 40 CFR 96.254(a) and (b), not less than the tons of total sulfur dioxide emissions for the control period from all CAIR SO_2 units at the source, as determined in accordance with 40 CFR Part 96, Subpart HHH.
(2) A CAIR SO_2 unit shall be subject to the requirements under paragraph (1) of the Sulfur Dioxide Emission Requirements starting on the later of January 1, 2010 or the deadline for meeting the unit's monitor certification requirements under 40 CFR 96.270(b)(1) or (2) and for each control period thereafter.
(3) A CAIR SO_2 allowance shall not be deducted, for compliance with the requirements under paragraph (1) of the SO_2 Emission Requirements, for a control period in a calendar year before the year for which the CAIR SO_2 allowance was allocated.
(4) CAIR SO_2 allowances shall be held in, deducted from, or transferred into or among CAIR SO_2 Allowance Tracking System accounts in accordance with 40 CFR Part 96, Subparts FFF and GGG.
(5) A CAIR SO_2 allowance is a limited authorization to emit sulfur dioxide in accordance with the CAIR SO_2 Trading Program. No provision of the CAIR SO_2 Trading Program, the CAIR Part, or an exemption under 40 CFR 96.205 and no provision of law shall be construed to limit the authority of the state or the United States to terminate or limit such authorization.
(6) A CAIR SO_2 allowance does not constitute a property right.
(7) Upon recordation by the Administrator under 40 CFR Part 96, Subpart FFF or GGG, every allocation, transfer, or deduction of a CAIR SO_2 allowance to or from a CAIR SO_2 unit's compliance account is incorporated automatically in any CAIR Part of the source that includes the CAIR SO_2 unit.

Excess Emissions Requirements.

If a CAIR SO_2 source emits SO_2 during any control period in excess of the CAIR SO_2 emissions limitation, then:
(1) The owners and operators of the source and each CAIR SO_2 unit at the source shall surrender the CAIR SO_2 allowances required for deduction under 40 CFR 96.254(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act or applicable state law; and
(2) Each ton of such excess emissions and each day of such control period shall constitute a separate violation of 40 CFR Part 96, Subpart AAA, the Clean Air Act, and applicable state law.

Plant Name (from STEP 1)	JD Kennedy

STEP 3, Continued

Recordkeeping and Reporting Requirements.

(1) Unless otherwise provided, the owners and operators of the CAIR SO_2 source and each CAIR SO_2 unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the Department or the Administrator.

(i) The certificate of representation under 40 CFR 96.213 for the CAIR designated representative for the source and each CAIR SO_2 unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation under 40 CFR 96.213 changing the CAIR designated representative.

(ii) All emissions monitoring information, in accordance with 40 CFR Part 96, Subpart HHH, of this part, provided that to the extent that 40 CFR Part 96, Subpart HHH, provides for a 3-year period for recordkeeping, the 3-year period shall apply.

(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CAIR SO_2 Trading Program.

(iv) Copies of all documents used to complete a CAIR Part form and any other submission under the CAIR SO_2 Trading Program or to demonstrate compliance with the requirements of the CAIR SO_2 Trading Program.

(2) The CAIR designated representative of a CAIR SO_2 source and each CAIR SO_2 unit at the source shall submit the reports required under the CAIR SO_2 Trading Program, including those under 40 CFR Part 96, Subpart HHH.

Liability.

(1) Each CAIR SO_2 source and each CAIR SO_2 unit shall meet the requirements of the CAIR SO_2 Trading Program.

(2) Any provision of the CAIR SO_2 Trading Program that applies to a CAIR SO_2 source or the CAIR designated representative of a CAIR SO_2 source shall also apply to the owners and operators of such source and of the CAIR SO_2 units at the source.

(3) Any provision of the CAIR SO_2 Trading Program that applies to a CAIR SO_2 unit or the CAIR designated representative of a CAIR SO_2 unit shall also apply to the owners and operators of such unit.

Effect on Other Authorities.

No provision of the CAIR SO_2 Trading Program, a CAIR Part, or an exemption under 40 CFR 96.205 shall be construed as exempting or excluding the owners and operators, and the CAIR designated representative, of a CAIR SO_2 source or CAIR SO_2 unit from compliance with any other provision of the applicable, approved State Implementation Plan, a federally enforceable permit, or the Clean Air Act.

CAIR NO_x OZONE SEASON TRADING PROGRAM

CAIR Part Requirements.

(1) The CAIR designated representative of each CAIR NO_X Ozone Season source and each CAIR NO_X Ozone Season unit at the source shall:
(i) Submit to the DEP a complete and certified CAIR Part form under 40 CFR 96.322 and Rule 62-296.470, F.A.C., in accordance with the deadlines specified in Rule 62-213.420, F.A.C.; and
(ii) [Reserved];

(2) The owners and operators of each CAIR NO_X Ozone Season source required to have a Title V operating permit or air construction permit, and each CAIR NO_X Ozone Season unit required to have a Title V operating permit or air construction permit at the source shall have a CAIR Part included in the Title V operating permit or air construction permit issued by the DEP under 40 CFR Part 96, Subpart CCCC, for the source and operate the source and the unit in compliance with such CAIR Part.

Monitoring, Reporting, and Recordkeeping Requirements.

(1) The owners and operators, and the CAIR designated representative, of each CAIR NO_X Ozone Season source and each CAIR NO_X Ozone Season unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of 40 CFR Part 96, Subpart HHHH, and Rule 62-296.470, F.A.C.

(2) The emissions measurements recorded and reported in accordance with 40 CFR Part 96, Subpart HHHH, shall be used to determine compliance by each CAIR NO_X Ozone Season source with the following CAIR NO_X Ozone Season Emissions Requirements.

NO_X Ozone Season Emission Requirements.

(1) As of the allowance transfer deadline for a control period, the owners and operators of each CAIR NO_X Ozone Season source and each CAIR NO_X Ozone Season unit at the source shall hold, in the source's compliance account, CAIR NO_X Ozone Season allowances available for compliance deductions for the control period under 40 CFR 96.354(a) in an amount not less than the tons of total NO_X emissions for the control period from all CAIR NO_X Ozone Season units at the source, as determined in accordance with 40 CFR Part 96, Subpart HHHH.

(2) A CAIR NO_X Ozone Season unit shall be subject to the requirements under paragraph (1) of the NO, Ozone Season Emission Requirements starting on the later of May 1, 2009 or the deadline for meeting the unit's monitor certification requirements under 40 CFR 96.370(b)(1),(2), or (3) and for each control period thereafter.

(3) A CAIR NO_X Ozone Season allowance shall not be deducted, for compliance with the requirements under paragraph (1) of the NO_X Ozone Season Emission Requirements, for a control period in a calendar year before the year for which the CAIR NO_X Ozone Season allowance was allocated.

(4) CAIR NO_X Ozone Season allowances shall be held in, deducted from, or transferred into or among CAIR NO_X Ozone Season Allowance Tracking System accounts in accordance with 40 CFR Part 96, Subparts FFFF and GGGG.

(5) A CAIR NO_X Ozone Season allowance is a limited authorization to emit one ton of NO_X in accordance with the CAIR NO_X Ozone Season Trading Program. No provision of the CAIR NO_X Ozone Season Trading Program, the CAIR Part, or an exemption under 40 CFR 96.305 and no provision of law shall be construed to limit the authority of the state or the United States to terminate or limit such authorization.

(6) A CAIR NO_X Ozone Season allowance does not constitute a property right.

(7) Upon recordation by the Administrator under 40 CFR Part 96, Subpart EEEE, FFFF or GGGG, every allocation, transfer, or deduction of a CAIR NO_X Ozone Season allowance to or from a CAIR NO_X Ozone Season unit's compliance account is incorporated automatically in any CAIR

Part of the source that includes the CAIR NO_X Ozone Season unit.

Plant Name (from STEP 1)	JD Kennedy

STEP 3, Continued

Excess Emissions Requirements.

If a CAIR NO_X Ozone Season source emits NO_X during any control period in excess of the CAIR NO_X Ozone Season emissions limitation, then:
(1) The owners and operators of the source and each CAIR NO_X Ozone Season unit at the source shall surrender the CAIR NO_X Ozone Season allowances required for deduction under 40 CFR 96.354(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act or applicable state law; and
(2) Each ton of such excess emissions and each day of such control period shall constitute a separate violation of 40 CFR Part 96, Subpart AAAA, the Clean Air Act, and applicable state law.

Recordkeeping and Reporting Requirements.

(1) Unless otherwise provided, the owners and operators of the CAIR NO_X Ozone Season source and each CAIR NO_X Ozone Season unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the DEP or the Administrator.
(i) The certificate of representation under 40 CFR 96.313 for the CAIR designated representative for the source and each CAIR NO_X Ozone Season unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation under 40 CFR 96.113 changing the CAIR designated representative.
(ii) All emissions monitoring information, in accordance with 40 CFR Part 96, Subpart HHHH, of this part, provided that to the extent that 40 CFR Part 96, Subpart HHHH, provides for a 3-year period for recordkeeping, the 3-year period shall apply.
(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CAIR NO_X Ozone Season Trading Program.
(iv) Copies of all documents used to complete a CAIR Part form and any other submission under the CAIR NO_X Ozone Season Trading Program or to demonstrate compliance with the requirements of the CAIR NO_X Ozone Season Trading Program.
(2) The CAIR designated representative of a CAIR NO_X Ozone Season source and each CAIR NO_X Ozone Season unit at the source shall submit the reports required under the CAIR NO_X Ozone Season Trading Program, including those under 40 CFR Part 96, Subpart HHHH.

Liability.

(1) Each CAIR NO_X Ozone Season source and each CAIR NO_X Ozone Season unit shall meet the requirements of the CAIR NO_X Ozone Season Trading Program.
(2) Any provision of the CAIR NO_X Ozone Season Trading Program that applies to a CAIR NO_X Ozone Season source or the CAIR designated representative of a CAIR NO_X Ozone Season source shall also apply to the owners and operators of such source and of the CAIR NO_X Ozone Season units at the source.
(3) Any provision of the CAIR NO_X Ozone Season Trading Program that applies to a CAIR NO_X Ozone Season unit or the CAIR designated representative of a CAIR NO_X Ozone Season unit shall also apply to the owners and operators of such unit.

Effect on Other Authorities.

No provision of the CAIR NO_X Ozone Season Trading Program, a CAIR Part, or an exemption under 40 CFR 96.305 shall be construed as exempting or excluding the owners and operators, and the CAIR designated representative, of a CAIR NO_X Ozone Season source or CAIR NO_X Ozone Season unit from compliance with any other provision of the applicable, approved State Implementation Plan, a federally enforceable permit, or the Clean Air Act.

STEP 4

Read the certification statement; provide name, title, owner company name, phone, and e-mail address; sign, and date.

Certification (for designated representative or alternate designated representative only)

I am authorized to make this submission on behalf of the owners and operators of the CAIR source or CAIR units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

Name	Mike Brost	Title	Vice President, Electric Systems
Company Owner Name	JEA		
Phone	904(665)7547	E-mail Address	brosmj@jea.com
Signature	M Brost	Date	7-23-12

DEP Form No. 62-210.900(1)(b) – Form
Effective: 3/16/08

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SECTION VI. APPENDICES.

The Following Appendices Are Enforceable Parts of This Permit:

Appendix A, Glossary.
Appendix I, List of Insignificant Emissions Units and/or Activities.
Appendix NSPS, Subpart A – General Provisions.
Appendix NSPS, Subpart GG.
Appendix NSPS, Subpart KKKK.
Appendix RR, Facility-wide Reporting Requirements.
Appendix TR, Facility-wide Testing Requirements.
Appendix TV, Title V General Conditions.
Appendix JEPB, City of Jacksonville Environmental Protection Board.